

a frame of a bottomed cylindrical shape having an opening formed therein;

a bracket fixed to said opening in said frame;

a rotating element extending through said bracket and having a shaft rotatably supported by a frame side bearing fixedly mounted on said frame and a bracket side bearing fixedly mounted on said bracket;

a stationary element fixedly attached to said frame at a location around an outer periphery of said rotating element and having a stator winding wound therearound;

a rotation sensor provided on said bracket at one side of said bracket side bearing near said housing for detecting a rotational angle of said rotating element, said rotation sensor of the resolver type comprising a rotor fixedly mounted on said shaft and a stator arranged on the periphery of said rotor; and

a plurality of sensor signal wires connected with said rotation sensor for supplying and receiving signals to and from said rotation sensor.